



Safety Data Sheet

Issue Date: 01-Apr-2014

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name MAXI-MIZER METAL BASE LUBRICANT

Other means of identification

SDS # Eagle-019

Recommended use of the chemical and restrictions on use

Recommended Use Engine oil treatment.

Details of the supplier of the safety data sheet

Manufacturer Address

Eagle Marketing, Inc.
2412 Sequoia Park
Yukon, OK 73099

Emergency Telephone Number

Company Phone Number 405-354-1027
Emergency Telephone (24 hr) 1-800-233-7424

2. HAZARDS IDENTIFICATION

Appearance Metallic black liquid

Physical State Liquid

Classification

| | |
|--|-------------|
| Carcinogenicity | Category 1B |
| Reproductive toxicity | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 2 |

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Danger

Hazard Statements

May cause cancer
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure



Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|------------|-------------|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | Proprietary |
| Lead | 7439-92-1 | Proprietary |
| Copper | 7440-50-8 | Proprietary |
| Zinc Alkyl Dithiophosphate | 68649-42-3 | Proprietary |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Call a physician immediately. |
| Ingestion | Do not induce vomiting. Rinse mouth. Immediately call a poison center or doctor/physician. Contains metallic lead and petroleum base stock. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Repeated, frequent or prolonged contact with skin may cause defatting of the skin which can lead to irritation, defatting and/or dermatitis. Exposed individuals may experience eye tearing, redness and discomfort. May cause respiratory irritation, dizziness, headache, cardiac disturbances, unconsciousness or death. May be harmful if swallowed. May cause nausea, vomiting, stomach ache, and diarrhea. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Foam. Water spray (fog).

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon monoxide. Metal oxide/oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Observe all personal protection equipment recommendations described in Sections 5 & 8.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Wash contaminated clothing before reuse. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from ignition sources and incompatible materials. Store locked up. Keep away from materials heated above 450°F.

Packaging Materials Store in metal, glass or polyethylene containers.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------|---|---|--|
| Lead 7439-92-1 | TWA: 0.05 mg/m ³ TWA: 0.05 mg/m ³ Pb | TWA: 50 µg/m ³ TWA: 50 µg/m ³ Pb | IDLH: 100 mg/m ³ IDLH: 100 mg/m ³ Pb TWA: 0.050 mg/m ³ TWA: 0.050 mg/m ³ Pb |
| Copper 7440-50-8 | TWA: 0.2 mg/m ³ fume TWA: 1 mg/m ³ Cu dust and mist | TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ dust and mist (vacated) TWA: 0.1 mg/m ³ Cu dust, fume, mist | IDLH: 100 mg/m ³ dust, fume and mist IDLH: 100 mg/m ³ Cu dust and mist TWA: 1 mg/m ³ dust and mist TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ Cu dust and mist |

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical safety goggles/faceshield.

Skin and Body Protection Impervious gloves such as nitrile are recommended for operations which may result in prolonged or repeated skin contact. Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-----------------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Not determined |
| Appearance | Metallic black liquid | Odor Threshold | Not determined |
| Color | Black metallic | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH | Not determined | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 210 °C / 410 °F | |
| Flash Point | 215 °C / 420 °F | COC |
| Evaporation Rate | Non-volatile | |
| Flammability (Solid, Gas) | Liquid-not applicable | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Non-volatile | |
| Vapor Density | Non-volatile | (Air=1) |
| Specific Gravity | 1.11 | (1=Water) |
| Water Solubility | Insoluble in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |

| | |
|-----------------------------|----------------|
| Kinematic Viscosity | Not determined |
| Dynamic Viscosity | Not determined |
| Explosive Properties | Not determined |
| Oxidizing Properties | Not determined |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Keep away from sources of ignition such as heat, sparks or open flames.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide. Metal oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | May be harmful if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|----------------------|-------------|-----------------|
| Succinimide 123-56-8 | = 14 g/kg (Rat) | - | - |
| Sulfurized Isobutylene 68511-50-2 | = 5000 mg/kg (Rat) | - | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity** May cause cancer.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|-------|----------|------------------------|------|
| Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 | A2 | Group 1 | | X |
| Lead 7439-92-1 | A3 | Group 2A | Reasonably Anticipated | X |

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity May damage fertility or the unborn child.**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.**Numerical measures of toxicity**

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|--|----------------------------|---|
| Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 | | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | | 1000: 48 h Daphnia magna mg/L EC50 |
| Lead 7439-92-1 | | 0.44: 96 h Cyprinus carpio mg/L LC50 semi-static 1.17: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.32: 96 h Oncorhynchus mykiss mg/L LC50 static | | 600: 48 h water flea µg/L EC50 |
| Copper 7440-50-8 | 0.0426 - 0.0535: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.031 - 0.054: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 0.0068 - 0.0156: 96 h Pimephales promelas mg/L LC50 0.3: 96 h Pimephales promelas mg/L LC50 static 0.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.052: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.25: 96 h Lepomis macrochirus mg/L LC50 static 0.3: 96 h Cyprinus carpio mg/L LC50 semi-static 0.8: 96 h Cyprinus carpio mg/L LC50 static 0.112: 96 h Poecilia reticulata mg/L LC50 flow-through | | 0.03: 48 h Daphnia magna mg/L EC50 Static |

| | | | | |
|--|--|---|--|---------------------------------------|
| Zinc Alkyl Dithiophosphate 68649-42-3 | | 1.0 - 5.0: 96 h Pimephales promelas mg/L LC50 static 10.0 - 35.0: 96 h Pimephales promelas mg/L LC50 semi-static | | 1 - 1.5: 48 h Daphnia magna mg/L EC50 |
| Sulfurized Isobutylene 68511-50-2 | | 250 - 500: 96 h Pimephales promelas mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 semi-static | | 1000: 48 h Daphnia magna mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-------------------|------|--|---------------------------|------------------------|
| Lead 7439-92-1 | | Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, K069, K086, K100, K176 | 5.0 mg/L regulatory level | |

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|--|-----------------------------------|
| Lead 7439-92-1 | Toxic |
| Copper 7440-50-8 | Toxic |
| Zinc Alkyl Dithiophosphate 68649-42-3 | Toxic |

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Not determined

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------|--------------------------|----------------|--|
| Lead 7439-92-1 | 10 lb | | RQ 10 lb final RQ RQ 4.54 kg final RQ |
| Copper 7440-50-8 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|---|------------|-------------|-------------------------------|
| Lead - 7439-92-1 | 7439-92-1 | Proprietary | 0.1 |
| Copper - 7440-50-8 | 7440-50-8 | Proprietary | 1.0 |
| Zinc Alkyl Dithiophosphate - 68649-42-3 | 68649-42-3 | Proprietary | 1.0 |

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| Lead 7439-92-1 (Proprietary) | | X | X | |
| Copper 7440-50-8 (Proprietary) | | X | X | |
| Zinc Alkyl Dithiophosphate 68649-42-3 (Proprietary) | | X | | |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|------------------|---|
| Lead - 7439-92-1 | Carcinogen Developmental Female Reproductive Male Reproductive |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Lead 7439-92-1 | X | X | X |
| Copper 7440-50-8 | X | X | X |
| Zinc Alkyl Dithiophosphate 68649-42-3 | X | | X |

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

NFPA**Health Hazards****Flammability****Instability****Special Hazards**

2

1

0

Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

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20-Aug-2014

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet